

## CLAIMS:

1           1.    A system for establishing a linear boundary subject to  
2 intrusion for detecting, annunciating and identifying the  
3 intruder, said system comprising:

4               a plurality of stations fixed in the surface at spaced  
5 apart increments from one another, each station having the  
6 capability of observing a sector between it and its next  
7 neighboring stations, said sectors overlapping each other at  
8 least in part, between their respective stations;

9               an annunciator responsive to intrusion into said  
10 increment; and

11              a visualizer enabling a supervisor to identify the  
12 event of intrusion.

1           2.    A boundary system according to claim 1 in which each  
2 station is free-standing and separate from its neighbor station or  
3 stations, each station being communicable with a supervisory  
4 station.

1           3.    A boundary system according to claim 2 in which said  
2 annunciator is a sensor selected from the group consisting of  
3 radiation detectors, acoustic detectors, motion detectors,  
4 vibration detectors, and image comparators, and competent to  
5 provide notice to a visualizer of the fact of intrusion.

1           4.    A boundary system according to claim 3 in which each  
2   annunciator has an effective field extending at least past one-  
3   half the distance between neighboring stations, whereby to  
4   establish a continuous boundary between the two stations.

1           5.    A boundary system according to claim 4 in which said  
2   fields extend past the next neighboring station, whereby to  
3   provide for redundancy in the event of disablement of one of the  
4   stations.

1           6.    A boundary system according to claim 4 in which said  
2   radiation detector is responsive to radiation emitted by its  
3   respective station and reflected to it.

1           7.    A boundary system according to claim 3 in which said  
2   station includes a camera adapted to capture an image of the  
3   region in which the intruder exists.

1           8.    A boundary system according to claim 7 in which said  
2   camera can be tilted upwardly and downwardly, and can be panned  
3   from side to side.

1           9. A boundary system according to claim 2 in which said  
2 supervisory station is adapted to receive signals from a  
3 plurality of said stations.

1           10. a station for a boundary system adapted to form a part  
2 of linearly extending boundary comprised of a plurality of free-  
3 standing spaced apart said stations, said station having the  
4 capability of detecting and responding to an intrusion into a  
5 sector of its respective field, said station including an  
6 annunciator responsive to the intrusion, and a visualizer  
7 enabling a supervision to identify the event of intrusion.

1           11. A station according to claim 10 in which the  
2 annunciator is responsive to a sector selected from the group  
3 consisting of radiation detectors, acoustic detectors, motion  
4 detectors, vibration detectors, and image comparators.

1           12. A boundary system according to claim 11 in which said  
2 radiation detector is responsive to radiation emitted by its  
3 respective station and reflected to it.